

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0131415

Owner: Royal Oak Enterprises, Inc.
Address: 6425 State Route ZZ, West Plains, MO 65775

Continuing Authority: Same as above
Address: Same as above

Facility Name: Royal Oak Enterprises
Facility Address: 6425 State Route ZZ, West Plains, MO 65775

Legal Description: SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26, T24N, R8W, Howell County
Latitude/Longitude: +3642534/-09148516

Receiving Stream: Howell Creek (L)
First Classified Stream and ID: Howell Creek (L) (2582)
USGS Basin & Sub-watershed No.: (11010010-010001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

All Outfalls

Facilities engaged in wood treating operations, including but not limited to SIC code 2491.

This permit authorizes only stormwater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

June 10, 2005

Issue Date

Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

June 9, 2010

Expiration Date
MO 780-0041 (10-93)

Gary L. Gaines, P.E., Regional Director, Southeast Regional Office

APPLICABILITY

1. This permit authorizes the discharge of storm water runoff from facilities engaged in wood treating operations to waters of the State of Missouri. This permit applies to, but is not limited to, Standard Industrial Classification (SIC) code 2491.
2. This permit only applies to facilities that treat charcoal briquettes, as in “Matchlight®” or “Instant Lite®” products, or treat wood with at least one of the following chemicals: Creosote, Pentachlorophenol (PCP, Penta), Copper Napthenate, Ammoniacal Copper Arsenate (ACA), Chromated Copper Arsenate (CCA), Oxine Copper, Ammoniacal Copper Zinc Arsenate (ACZA), Acid Copper Chromate (ACC), Ammoniacal Copper Quat (ACQ).
3. This permit does not authorize the discharge of waters other than storm water.
4. Facilities that discharge directly to a combined sewer system are exempt from permit requirements.

REQUIREMENTS

1. The primary requirement of this permit is the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must be prepared within 180 days and implemented within 360 days of permit issuance. The SWPPP must be kept on-site and should not be sent to DNR unless specifically requested. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, (Document number EPA 832-R-92-006) published by the United States Environmental Protection Agency (USEPA) in September 1992.

The SWPPP must include the following:

- (1) An assessment of all storm water discharges associated with wood treating operations. This must include a list of potential contaminants and an annual estimate of amounts that will be used in the described activities.
 - (2) A listing of Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter storm water.
 - (3) A narrative explaining how RCRA and CERCLA requirements for this type of operation are being met.
 - (4) A schedule for implementing the BMPs.
 - (5) A schedule for monthly site inspections and a brief written report. The inspections must include observation and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Deficiencies must be corrected within seven days. Inspection reports must be kept on site with the SWPPP. These must be made available to DNR personnel upon request.
 - (6) A provision for designating an individual to be responsible for environmental matters.
 - (7) A provision for providing training to all personnel involved in material handling and storage, and housekeeping of maintenance and cleaning areas. Proof of training shall be submitted on request of DNR.
2. An annual operating report must be submitted by October 28th for the period of October 1 through September 31st of the previous year (notwithstanding any reporting requirements contained in the attached "Standard Conditions"). The report shall detail any unusual occurrences such as spills, tank failures or overflows, ruptured piping, fishkills, fire fighting activities, or other upsets which resulted in any loss of product. Product includes, but is not limited to wood treating products, fuels, paints, and deicing/anti-icing chemicals. The report shall also detail any remedial work undertaken to recover product or clean up the site. The report must also indicate if nothing unusual has occurred.
 3. Collection facilities shall be provided on-site, and arrangements made for proper disposal of waste products, including but not limited to substances used to treat wood, petroleum waste products, and solvents.
 4. All fueling facilities present on-site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
 5. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
 6. All substances used to treat wood, paint, solvents, petroleum products and petroleum waste products (except fuels), shall be stored so that these materials are not exposed to storm water. Spill prevention, control, and/or management shall be provided sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
 7. Outfalls must be marked in field.

REQUIREMENTS (continued)8. Water Quality Standards

- (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247

9. Report as no-discharge when a discharge does not occur during the report period.

10. This permit may be reopened and modified, or alternatively revoked and reissued, to:

- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
- (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
- (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

11. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 ug/L);
 - (2) Two hundred micrograms per liter (200 ug/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 5 of 7	
					PERMIT NUMBER MO-0131415	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>All Outfalls</u>						
Flow	MGD	*		*	once/year**	24 hr. estimate
pH – Units	SU	***		***	once/year**	grab****
Total Suspended Solids	mg/L	100		70	once/year**	grab****
Biochemical Oxygen Demand ₅	mg/L	100		50	once/year**	grab****
Oil and Grease	mg/L	15		10	once/year**	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<u>Chlorophenolic & Creosote Constituents</u> (Note 1)						
Pentachlorophenol	mg/L	0.015		0.015	once/year**	grab****
2,4,6-Trichlorophenol	mg/L	*		*	once/year**	grab****
2,3,4,6-Tetrachlorophenol	mg/L	*		*	once/year**	grab****
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2005</u> .						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)					PAGE NUMBER 6 of 7	
					PERMIT NUMBER MO-0131415	
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Creosote Constituents</u> (Note 1)						
2-Chlorophenol	mg/L	*		*	once/year**	grab****
2,4-Dimethylphenol	mg/L	*		*	once/year**	grab****
2,4-Dinitrophenol	mg/L	*		*	once/year**	grab****
P-Chloro-M-Cresol	mg/L	*		*	once/year**	grab****
Acenaphthene	mg/L	*		*	once/year**	grab****
Acenaphthylene	mg/L	*		*	once/year**	grab****
Beno(A)Anthracene	mg/L	*		*	once/year**	grab****
Dibenzo(A,H)Anthracene	mg/L	*		*	once/year**	grab****
Benzo(A)Pyrene	mg/L	*		*	once/year**	grab****
Benzo(K)Fluoranthene	mg/L	*		*	once/year**	grab****
Chrysene	mg/L	*		*	once/year**	grab****
Fluoranthene	mg/L	*		*	once/year**	grab****
Flourene	mg/L	*		*	once/year**	grab****
Indeno(1,2,3-CD)Pyrene	mg/L	*		*	once/year**	grab****
Naphthalene	mg/L	*		*	once/year**	grab****
Phenanthrene	mg/L	*		*	once/year**	grab****
<u>Metal-based Preservative Constituents</u> (Note 1)						
Arsenic, Total Recoverable	mg/L	0.030		0.020	once/year**	grab***
Chromium, Total Recoverable	mg/L	0.017		0.011	once/year**	grab***
Copper, Total Recoverable	mg/L	0.029		0.019	once/year**	grab***
Zinc, Total Recoverable	mg/L	0.258		0.172	once/year**	grab***
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2005</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I & III</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** A sample must be collected during April.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- **** A representative grab sample shall be taken 30 to 60 minutes after storm water discharge begins.

Note 1: (1) Chlorophenolic and Creosote Constituents - report "no discharge" for these constituents if pentachlorophenol and creosote are not used for woodtreating.
(2) Creosote Constituents - report "no discharge" for these constituents if creosote is not used for wood treating.
(3) Metal-based Preservative Constituents - report "no discharge" for metals that are not part of a metal-based compound used for woodtreating.

PERMIT TRANSFER

This permit may be transferred to a new permittee by submitting an "Application for Transfer of Operating Permit" signed by the transferor and transferee of the facility, along with the appropriate modification fee.

PERMIT RENEWAL REQUIREMENTS

Unless this permit is terminated, the permittee shall submit an application for the renewal of this permit no later than six (6) months prior to the permit's expiration date.

TERMINATION OF PERMIT

If activities covered by this permit have ceased and this permit no longer applies, the permittee shall request termination of this permit. The permittee shall submit Form J, Termination of a State Operating Permit.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.